IMT-BT

Medical Mobile Tablet with Dual-Core Intel® Celeron® Processor N2807

Features

- Dual-core Intel® Celeron® Processor N2807 @ 1.58GHz
  Operating Systems:
  - Windows 10 IoT
  - Windows Embedded 8.1
- 10.1" sunlight readable display with Gorilla Glass, capacitive touchscreen
- Wireless Connectivity:
  - WLAN: IEEE 802.11 a/b/g/n/ac
  - WPAN: Bluetooth 4.0
- Data Capture: HF 13.56MHz NFC RFID, SAM encryption supported
- IP65 rating and 1.5m drop resistance (with optional protective rubber housing)



Introduction

IMT-BT medical tablet is designed to allow healthcare professionals to easily access electronic health records (EHRs) in order to check patient history, diagnosis, treatment and medications. Our latest medical tablet is equipped with the Intel® Celeron® Processor N2807 and features a rugged design with IP65 ingress rating to withstand repeated sanitization and provide better infection control.

IMT-BT is EN-60601-1 certified and rated IP65 for resistance to contaminants. The IMT-BT holds its own next to consumer tablets, with a 10.1" capacitive touchscreen and built-in megapixel cameras on the front and rear. Ruggedized with an IP65 rating, the IMT-BT easily withstands drops from 1.5m (with optional protective housing). The display is protected by ultra-strong Gorilla Glass, making it virtually impervious to damage, able to flex when dropped without shattering or scratching.

Ordering Information

- **IMT-BT-WIN81**
  IMT-BT 10.1" Tablet with Intel® Celeron® N2807 and Windows Embedded 8.1/Wi-Fi/Bluetooth
- **IMT-BT-WIN10-M**
  IMT-BT 10.1" Tablet with Intel® Celeron® N2807 and Windows 10 IoT/Wi-Fi/Bluetooth/Medical Certification

Optional Accessories

- **Protective Rubber Housing**
  Protective rubber housing with mounting screws, support to 1.5m drop resistance



Protective Rubber Housing

IMT-BT

Mechanical Layout



Specifications

Physical Characteristics

Dimensions: 291 x 198 x 23 mm (L x W x T)
Weight: 1.2 kg
Expansion slot: full-size SD slot x1
Status LEDs: Power/Wireless status LEDs
Buttons: Power Button x 1
Programmable buttons x4
Battery: 7.4V/6300 mAh Li-ion
Speaker: 2W speaker x1
Microphone: x1
Headset: Stereo earphone jack x1
USB: USB 3.0/2.0 x1
Display Output: HDMI x1
G-sensor: 3-axis, 2g, at least 8-bits accuracy

Performance Characteristics

Processor: Dual-core Intel® Celeron® Processor N2807 @ 1.58GHz
(formerly "Bay Trail-M")
Memory: 4GB DDR3 1333 MHz
Storage: 64GB mSATA on board
Operating system: Windows Embedded 8.1; Windows 10 IoT;

Data Capture

RFID: HF 13.56MHz, NFC 18092, 14443A/B, 15693
SAM encryption supported
Camera: 2MP camera on front, 5MP on rear (with flash)

Wireless

WLAN: IEEE 802.11 a/b/g/n/ac (combo Mini PCIe half-size card)
WPAN: Bluetooth 4.0 (combo Mini PCIe half-size card)

Working Environment

Operating Temperature: 0°C to 30°C
Storage Temperature: -20°C to 60°C
Charging Temperature: 0°C to 40°C
Humidity: 10% to 90%, non-condensing
Drop Resistance: 1.2m (1.5m w/ optional protective housing)
Ingress Rating: IP65

Display Characteristics

Size: 10.1" TFT LCD display with Gorilla Glass
Resolution: 1280 x 800 pixels (WXGA)
Brightness: 600 cd/m²
Touch Sensor: 2-point projected capacitive touch (PCT)

Certifications

CE, FCC, EN 60601-1

Packing List

Power Adapter

12V power adapter and EU/US standard power cord

Hand Strap

Silicone hand strap with mounting screws



Hand Strap

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